

(12) **United States Patent**  
**Yamakawa et al.**

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(54) **ACCESS CONTROL METHOD, STORAGE APPARATUS AND STORAGE MEDIUM**

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(73) Assignee: **Fujitsu Limited, Kawasaki (JP)**

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**<sup>7</sup> ..... **G06F 12/00**

(57) **ABSTRACT**

(52) **U.S. Cl.** ..... **711/164; 711/163; 713/202**

A storage apparatus which writes information on a portable storage medium in response to a request from at least one host unit is provided with a writing part for writing on the detachable storage medium, a user password and a master password which limit access to the portable storage medium, and an access control part which permits a modification of the user password by specifying the master password, permits access to a data region on the portable storage medium by specifying the user password which is provided in common with respect to a plurality of users, and prohibits at least one of write and read with respect to each of the plurality of users.

(58) **Field of Search** ..... **711/1, 163-164; 709/249; 340/439; 713/202**

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**23 Claims, 21 Drawing Sheets**

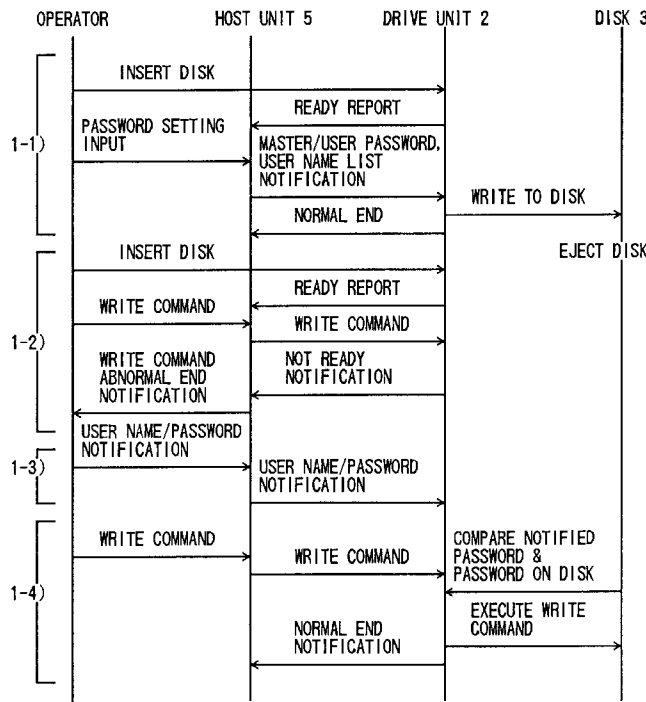


FIG.1

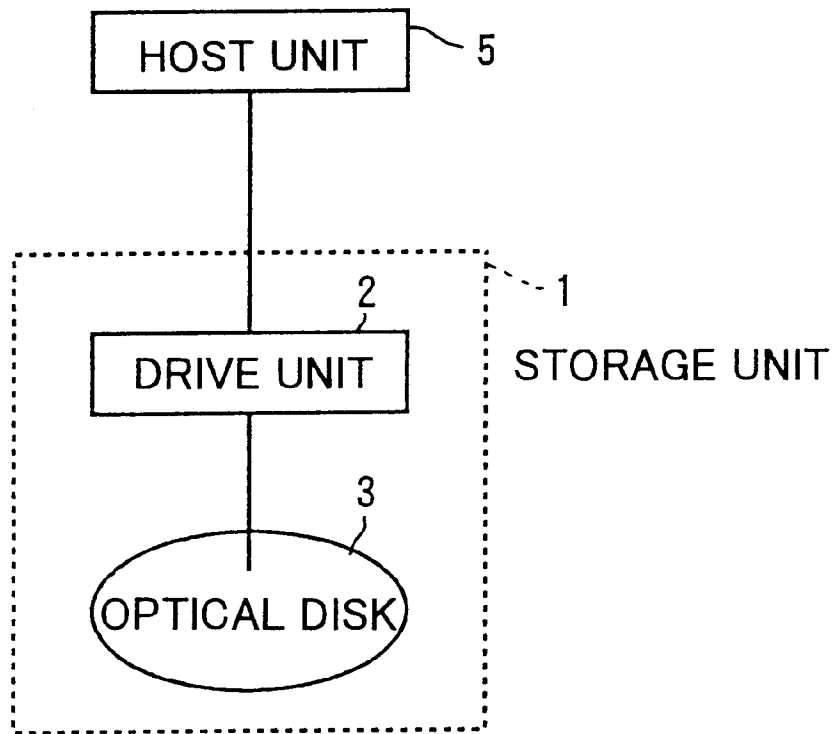


FIG.2

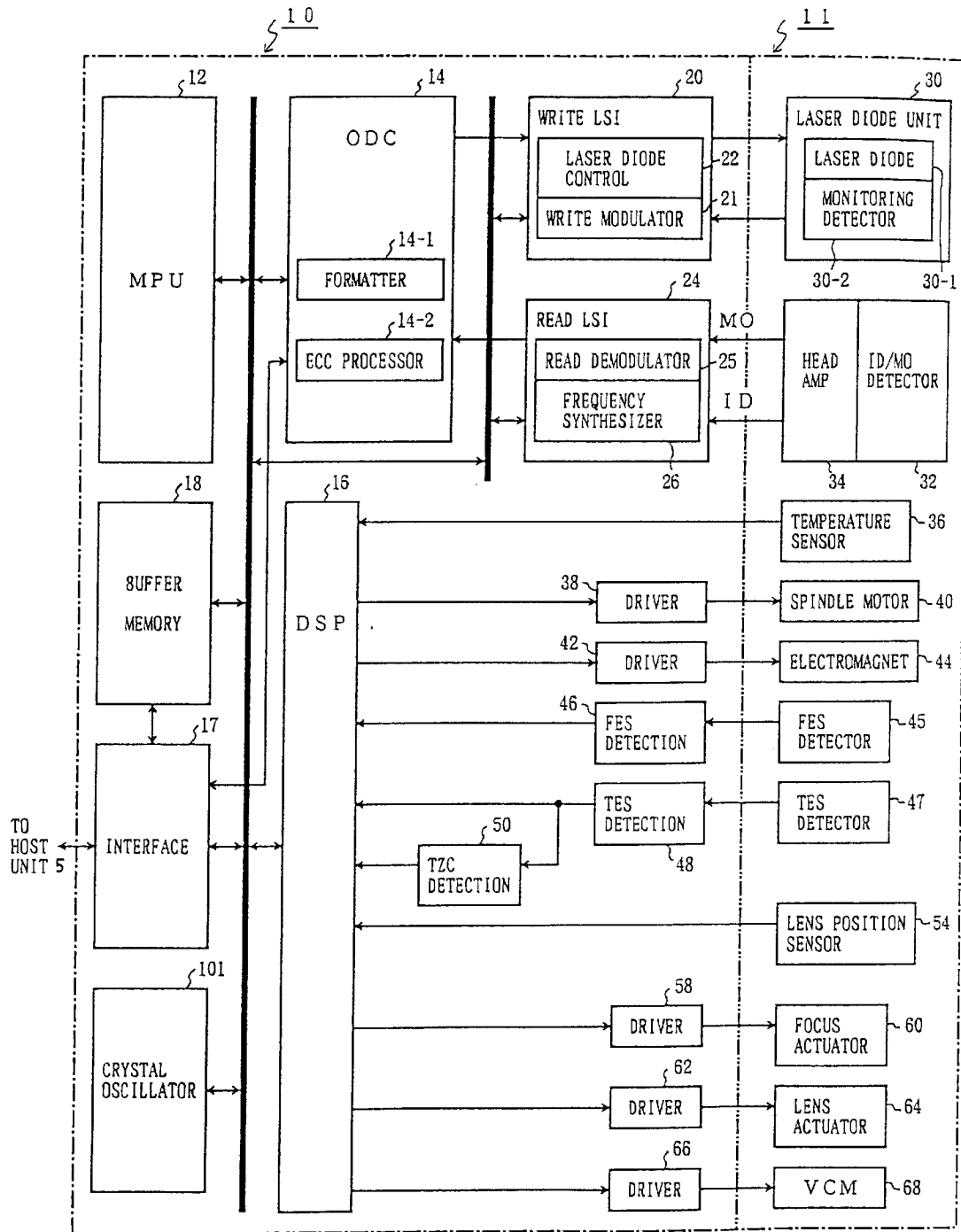


FIG.3

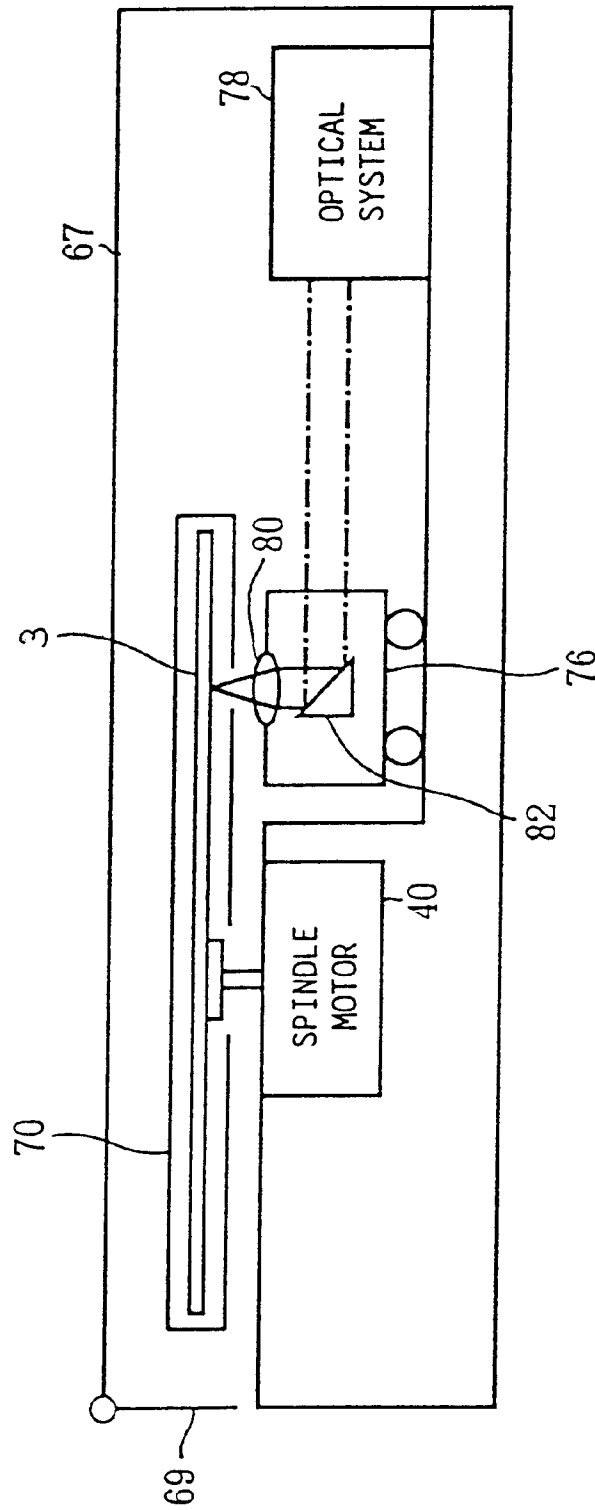
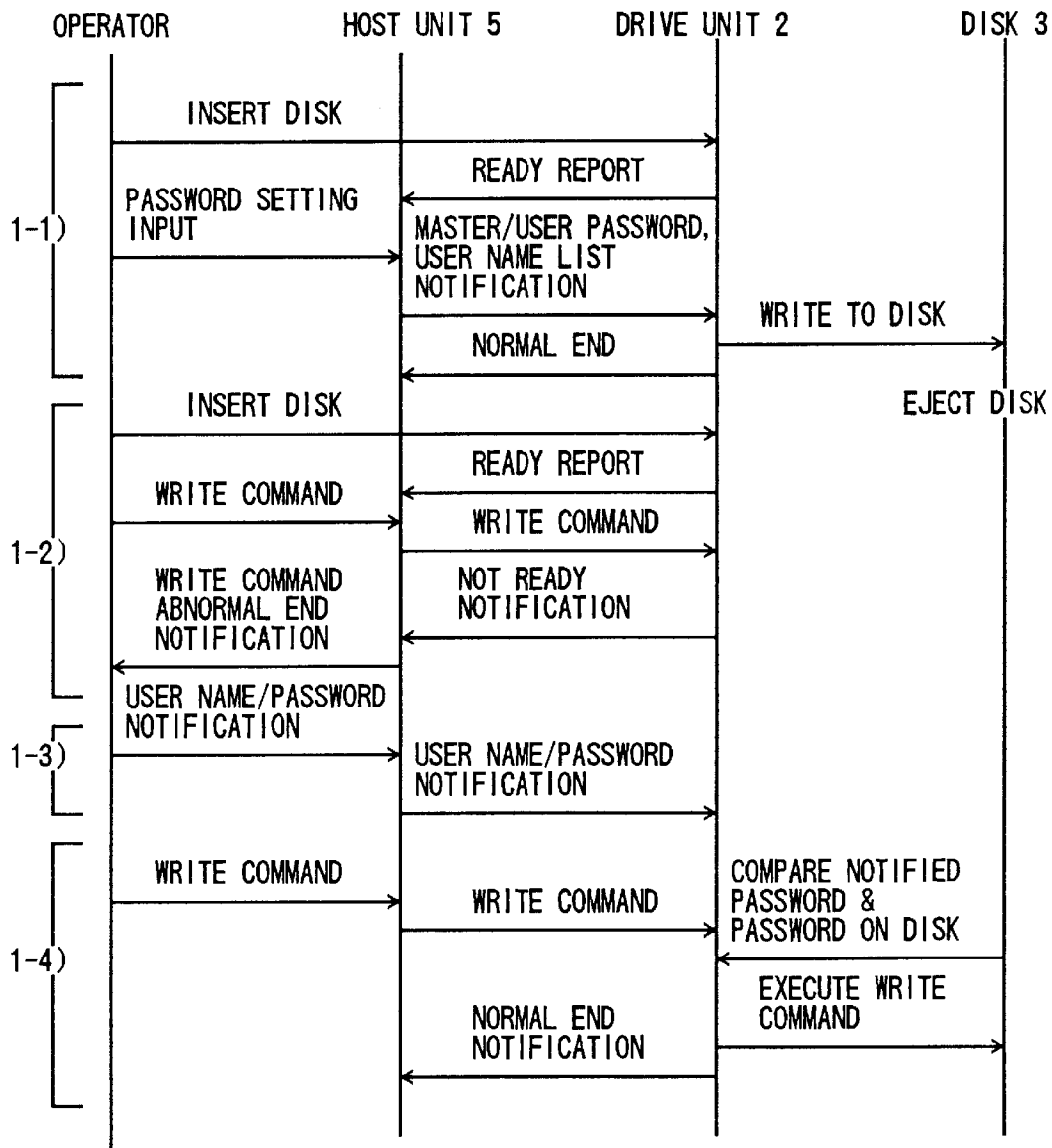


FIG. 4



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